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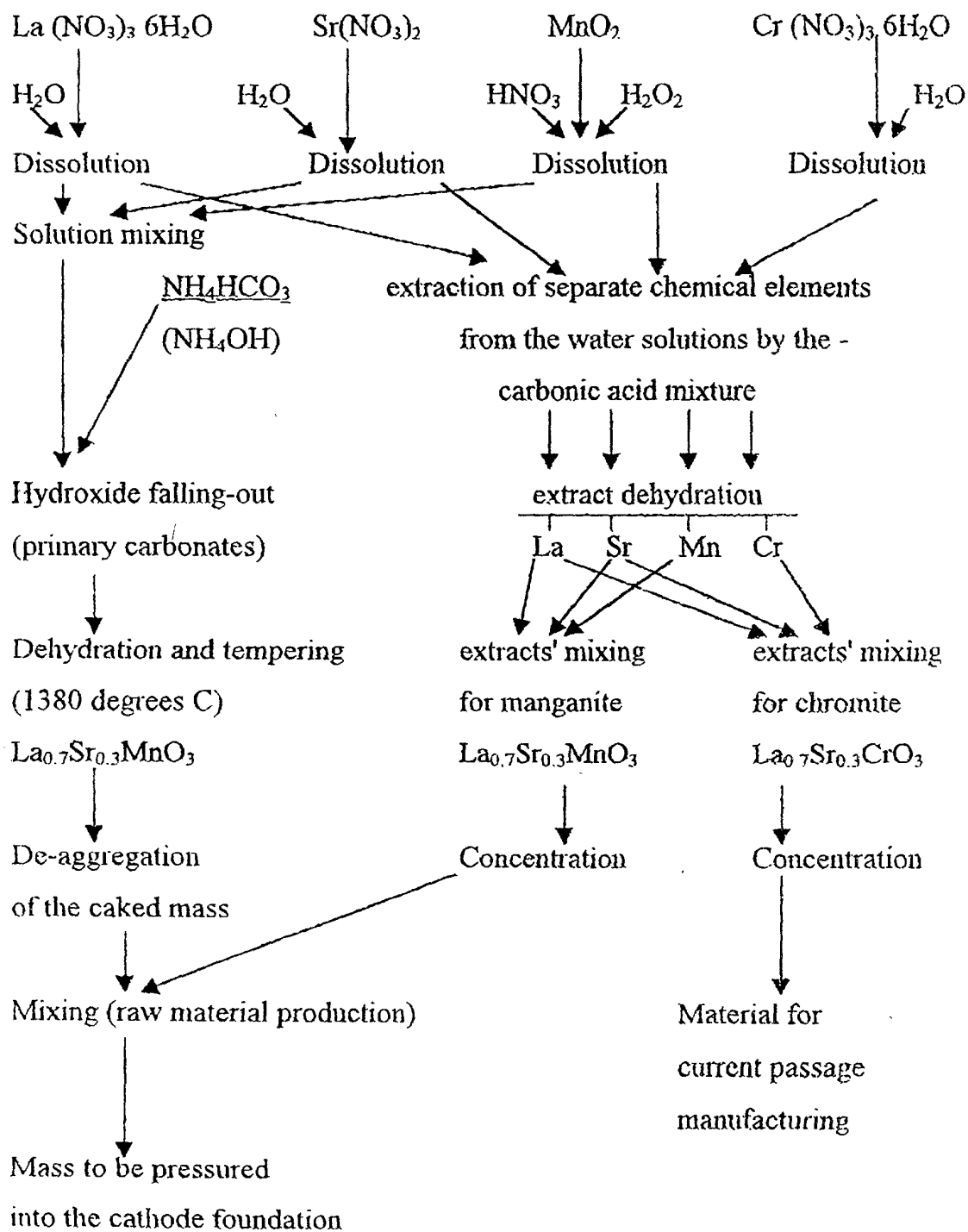


Fig. 1

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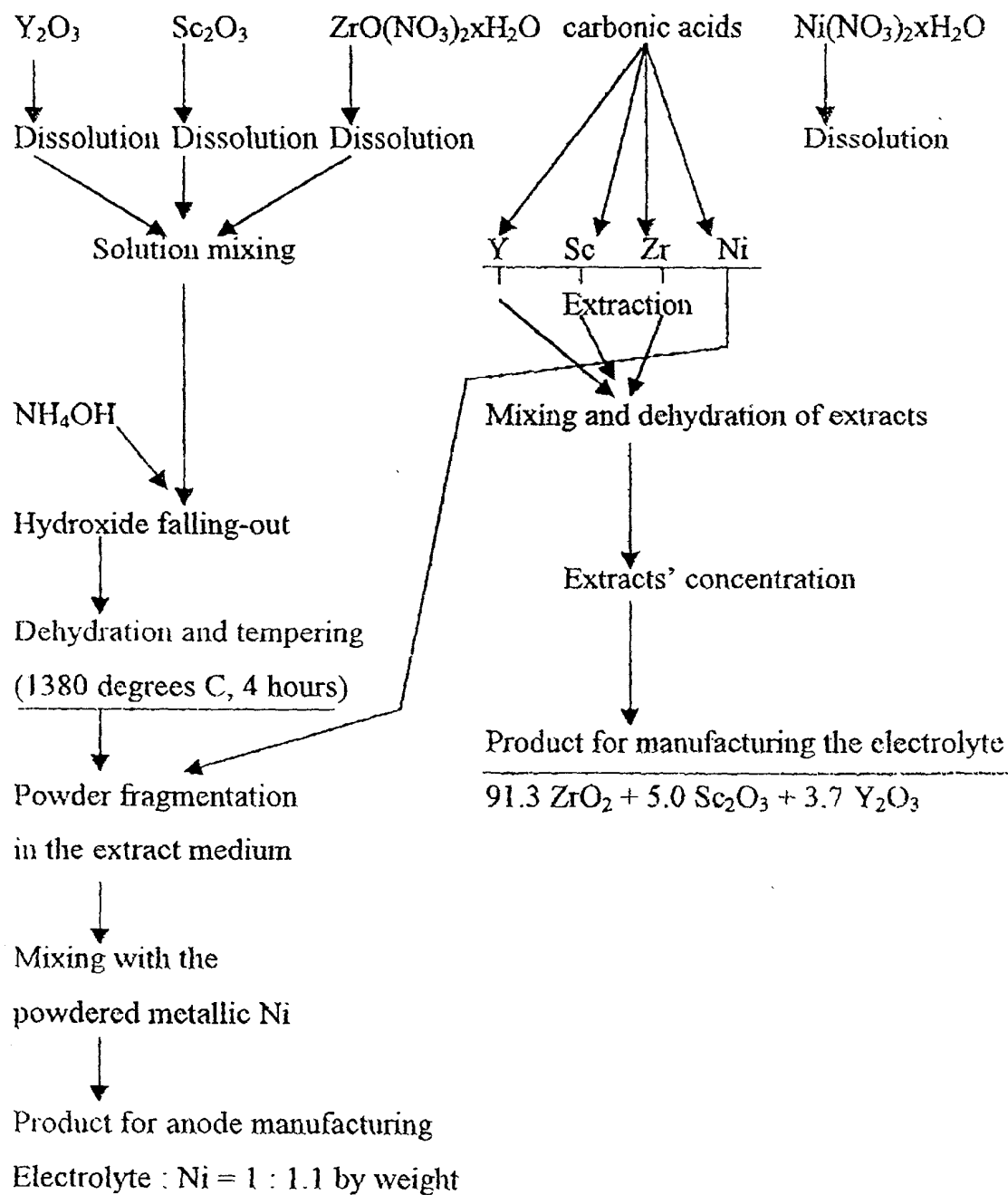


Fig. 2

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Forming the tubular cathode  
by the hydrostatic pressuring

Burning out the binding agent, caking

T ~ 1350 degrees C

Manufacturing the interface layer and current passage

Mixture of Cr, La, St carboxilates

Manufacturing the electrolyte

Mixture of Ce, Sm/Gd, Zr, Y, Sc carbox-  
ilates

Manufacturing the anode

Anode material YSZ GSC/Ni<sub>met</sub> Co<sub>met</sub>  
Ni or Co carboxilates

Manufacturing the electrical insulating  
layer

Material for electrical insulating  
layer

Thermal treatment

Mg Al carboxilates  
(MgAl<sub>2</sub>O<sub>4</sub>) (YSZ)

T ~ 1250 degrees C

A single fuel cell

Fig. 3

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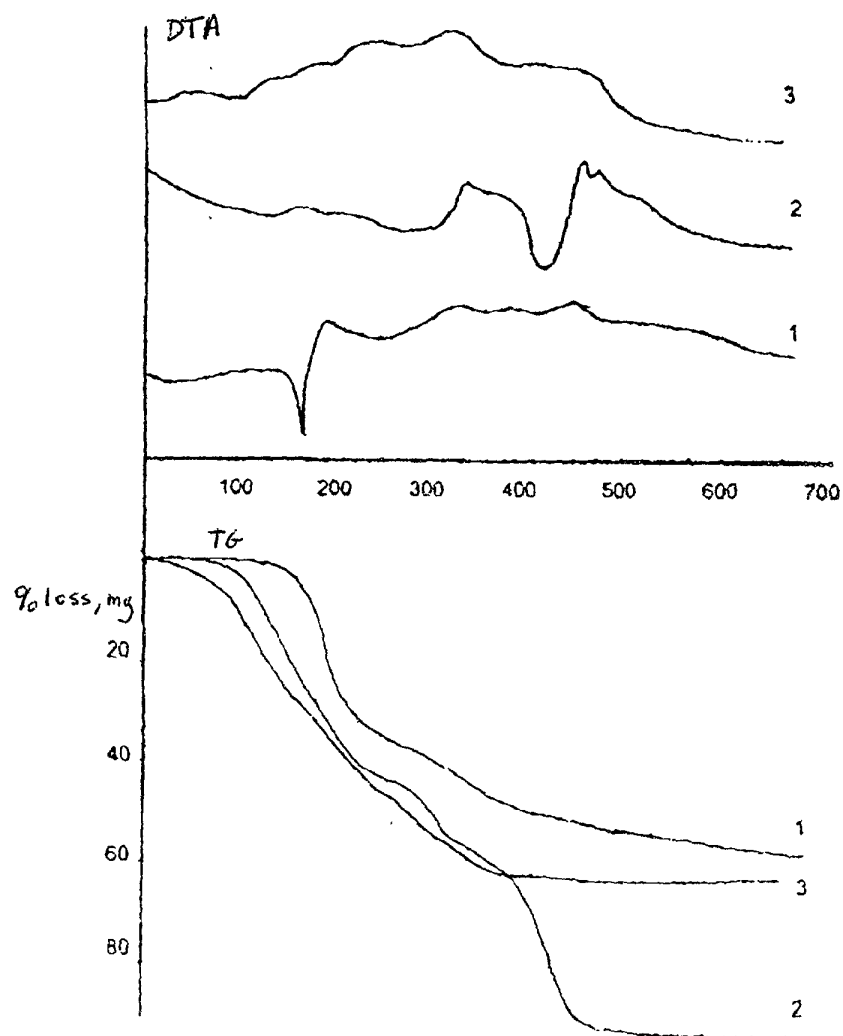


Fig. 4.

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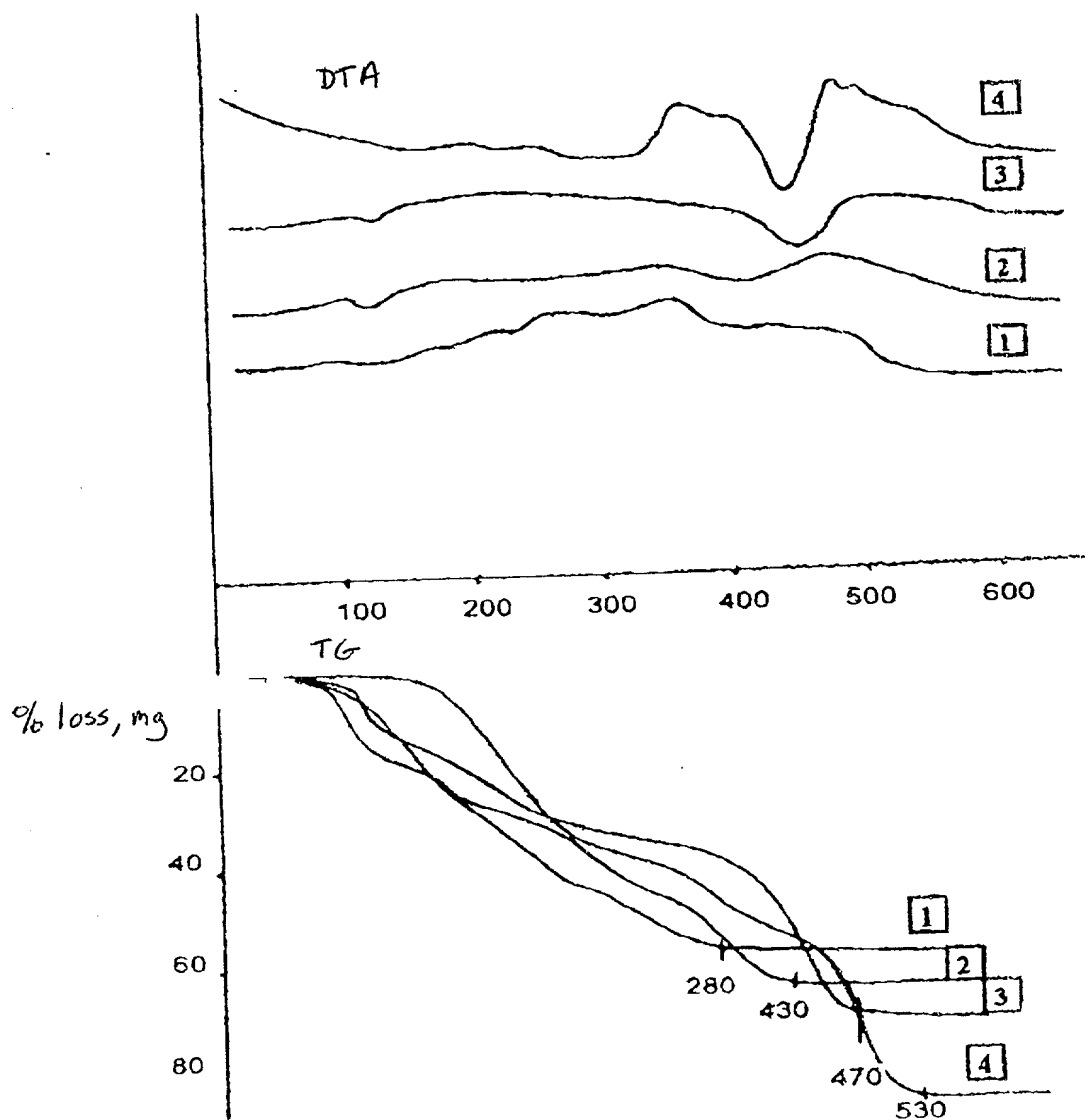


Fig. 5.

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Fig. 6.

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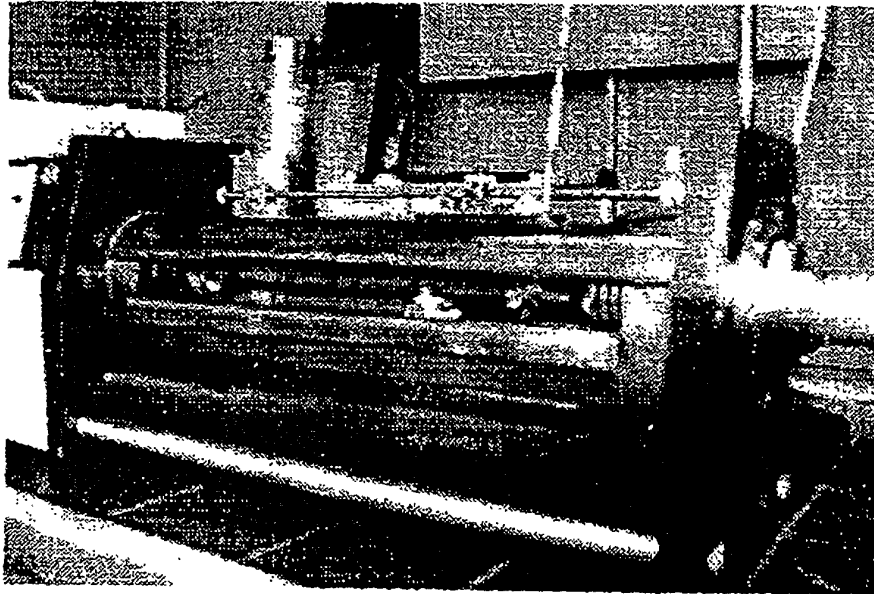


Fig. 7.

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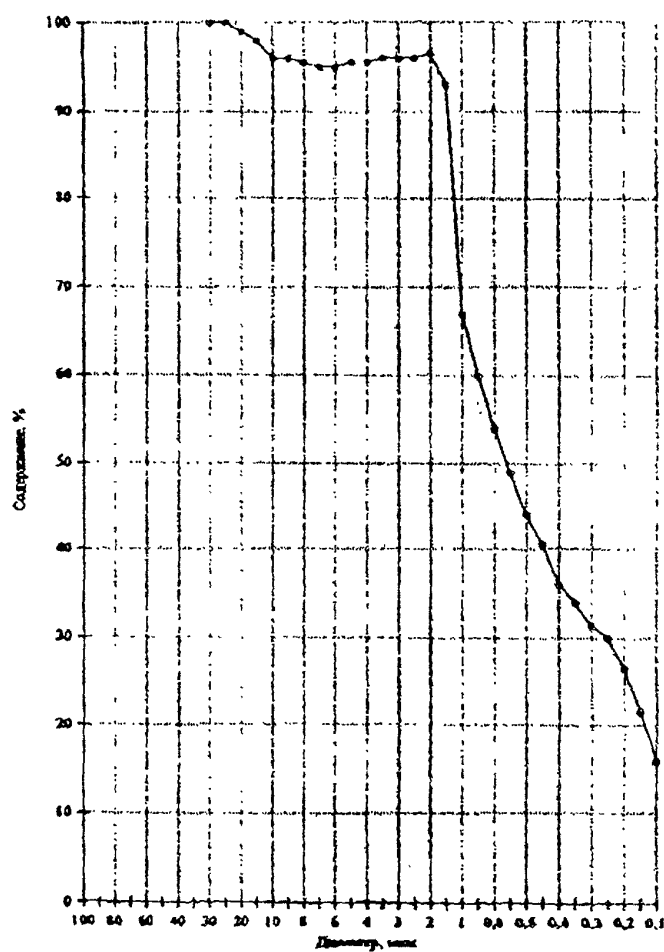


Fig. 8.





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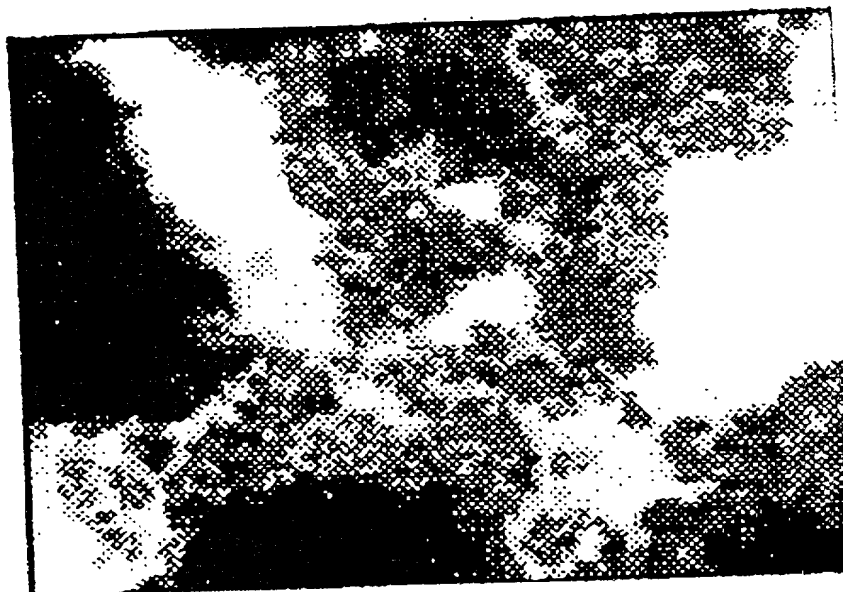


Fig. 10.

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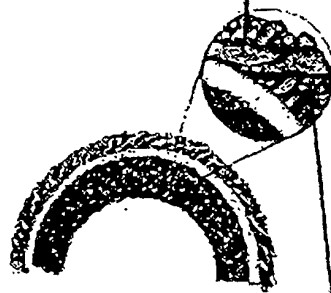
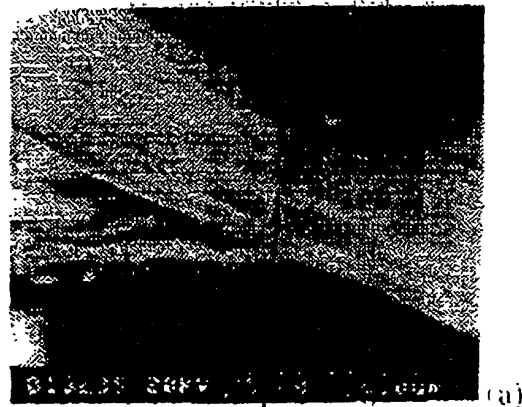


Fig. 11.